

Application No. 10/727,488

In the claims:

1. (currently amended) A multifunctional vehicle lock comprising:
 - a cylinder lock comprising a rotatable-tumbler rotatable about a rotational axis;
 - a coupling member rotationally linked to said tumbler, wherein rotation of said tumbler rotates said coupling member;
 - a first vehicle locking element connected to said coupling member; and
 - a second ~~vehicle~~ locking element connected to said coupling member, wherein rotation of said coupling member moves said first ~~vehicle~~ locking element in a translatory movement along a first axis which is the rotational axis of said tumbler and simultaneously moves said second ~~vehicle~~ locking element in a translatory movement along a second axis angled at a non-zero angle with respect to said first axis.
2. (currently amended) The multifunctional ~~vehicle~~ lock according to claim 1, wherein at least one of said first and second vehicle locking elements is geometrically lockable with respect to said coupling member.
3. (currently amended) The multifunctional vehicle lock according to claim 1, wherein said coupling member comprises a worm drive connected to said first vehicle locking element.
4. (currently amended) The multifunctional ~~vehicle~~ lock according to claim 3, wherein said first ~~vehicle~~ locking element is connected to said coupling member by a pin that fits in a helical groove formed in said worm drive, wherein as said coupling member rotates, said pin translates along said first axis guided by said helical groove.
5. (currently amended) The multifunctional ~~vehicle~~ lock according to claim 4, wherein said helical groove has a terminal arcuate portion in which said pin is geometrically lockable with respect to said coupling member.
6. (currently amended) The multifunctional ~~vehicle~~ lock according to claim 1, wherein said second ~~vehicle~~ locking element is connected to said coupling member by means of a wrist pin and connecting element connection.
7. (currently amended) The multifunctional ~~vehicle~~ lock according to claim 1, wherein said tumbler of said cylinder lock comprises a set of tumbler pins that are movable to a shear line against a set of housing pins disposed in a first pin housing.
8. (currently amended) The multifunctional ~~vehicle~~ lock according to claim 7, further comprising a second pin housing wherein said tumbler pins are movable to a shear line against a set of housing pins disposed in said second pin housing.
9. (currently amended) The multifunctional ~~vehicle~~ lock according to claim 1, wherein said first and second locking elements are arranged to move in and out of a protective casing.

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10. (currently amended) The multifunctional ~~vehicle~~-lock according to claim 1, further comprising a plurality of said second ~~vehicle~~-locking elements connected to said coupling member.

11-12. (canceled)

13. (currently amended) The multifunctional ~~vehicle~~-lock according to claim 1, wherein at least one of said first and second vehicle locking elements comprises an attachment member.

14. (currently amended) The multifunctional ~~vehicle~~-lock according to claim 13, further comprising a locking attachment attached to said attachment member, wherein said locking attachment is adapted for locking a vehicle accessory.

15-16. (canceled)

17. (new) A multifunctional vehicle lock comprising:

- a cylinder lock comprising a tumbler rotatable about a rotational axis;

- a coupling member rotationally linked to said tumbler, wherein rotation of said tumbler rotates said coupling member;

- a first vehicle locking element connected to said coupling member; and

- a second vehicle locking element connected to said coupling member, wherein rotation of said coupling member moves said first vehicle locking element in a translatory movement along a first axis which is the rotational axis of said tumbler and simultaneously moves said second vehicle locking element in a translatory movement along a second axis angled at a non-zero angle with respect to said first axis, wherein said coupling member comprises a worm drive connected to said first vehicle locking element, and wherein said first vehicle locking element is connected to said coupling member by a pin that fits in a helical groove formed in said worm drive, wherein as said coupling member rotates, said pin translates along said first axis guided by said helical groove, and wherein said helical groove has a terminal arcuate portion in which said pin is geometrically lockable with respect to said coupling member, and wherein at least one of said first and second vehicle locking elements comprises a locking attachment for locking a vehicle accessory.

18. (new) A method for locking a vehicle accessory, comprising:

- providing a cylinder lock comprising a tumbler rotatable about a rotational axis, a coupling member rotationally linked to said tumbler, wherein rotation of said tumbler rotates said coupling member, a first vehicle locking element connected to said coupling member, and a second vehicle locking element connected to said coupling member, wherein rotation of said coupling member moves said first vehicle locking element in a translatory movement along a first axis and simultaneously moves said second vehicle locking element in a

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translatory movement along a second axis angled at a non-zero angle with respect to said first axis, and wherein at least one of said first and second vehicle locking elements comprises a locking attachment for locking a vehicle accessory; and

rotating said tumbler about said rotational axis to rotate said coupling member and to move said first and second vehicle locking elements, thereby causing said locking attachment to lock said vehicle accessory.